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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,620	06/19/2006	Stephane Auberger	FR030162	8509

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EXAMINER	
BITAR, NANCY	

ART UNIT	PAPER NUMBER
2624	

NOTIFICATION DATE	DELIVERY MODE
01/11/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary	Application No.	Applicant(s)	
	10/596,620	AUBERGER, STEPHANE	
	Examiner	Art Unit	
	Nancy Bitar	2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 June 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-5* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-5* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *19 June 2006* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Examiner Notes

Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Park et al (US 5, 748231).

As to claim 1, Park et al. teaches a method for stabilizing video data, said method comprising the steps of: subdividing said video into a plurality of successive frames dividing each of said successive frames into a plurality of blocks (a step of dividing one-field area into four local motion estimation areas and processing the divided areas. Accordingly, it is clear for those skilled in the art that the present

invention can be done with modifying the data, column 5, lines 34-44); determining for each block of each frame a motion vector representing the direction and magnitude of the motion in said block (LMV generation unit first sets proper position of received image data in a local motion estimation area , column 5, lines 45, column 6, lines 1-45), said vector GMV at an instant t being called global motion vector GMV(t) and representing said motion at the instant t with respect to the previous frame correlation with comparison between two consecutive fields by block-matching patterns of detected current-field binary edge signal and previous-field binary edge signal in local motion estimation area; column 5, lines 45-67); defining a modified vector, called integrated motion vector IMV(t) at the instant t (note that figure 12 A shows time for panning identification signal PID in the panning identification block 111 and figure 12 B shows a view showing a degree of movement of AMV with respect to time) and designating the final motion vector correction to be applied to the current frame in view of its motion correction(field motion vector 12, figure 1) ; said integrated motion vector being given by the expression: IMV(t)=GMV(t)+a(E) . IMV(t-1) (see column 21, lines 18-54),where GMV(t) is the global motion vector of the current frame at the instant t, a(E) is a variable adaptive factor depending on an expression E and IMV(t-1) is the integrated motion vector corresponding to the previous current frame(X(n) is an AMV in the previous frame , column 21, lines 40-41; note that to more reliably determine a motion vector, the LMV generation unit 11 divides one field into M MEAs and determines the different M LMVs in a time order);and modifying the video data according to the modified integrated motion vectors defined for each successive current frame (finally stabilized

image is outputted by zooming a constant portion of received image data with an interpolation method).

As to claim 2, Park et al. teaches a stabilizing method according to claim 1, in which said variable adaptive factor depends on the sum of the two last global motion vectors (113; figure 11, see column 22, lines 23, column 23 lines 1-15).

As to claim 3, Park et al. teaches a stabilizing method according to claim 2, in which the variable damping factor a(E) is determined independently for the horizontal and vertical coordinates of the vectors (see figure 12) .

As to claim 4, Park et al. teaches a stabilizing method according to claim 1, comprising an additional correction step (correction function), provided for checking if the correction of motion vector is not above a given threshold and, if yes, modifying said correction so that it stays within a predetermined allowed range (see column 22, lines 1-22 and column 26, lines 31-37).

Claim 5 differs from claim 1 only in that claim 1 is a method claim whereas; claim 5 is an apparatus claim. Thus, claim 5 is analyzed as previously discussed with respect to claim 1 above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nancy Bitar whose telephone number is 571-270-1041. The examiner can normally be reached on Mon-Fri (7:30a.m. to 5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on 571-272-7453. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nancy Bitar

11/28/2007